

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

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7. The method of claim 4 wherein the inspecting is performed using an application filter.

8. The method of claim 7 wherein the application filter specifies a list of criteria to be filtered and a target.

9. The method of claim 8 wherein the criteria is an API.

10. The method of claim 8 wherein that target is at least one of a specified client, device type, content identifier, and global definition.

11. The method of claim 4, the optimizing further comprising at least one of:
reducing the size of variable names;
modifying instructions to more efficient instructions; and
removing unused code.

12. The method of claim 4, the instrumenting further comprising inserting code that implements at least one of a billing policy, a usage policy, a notification, and an automatic content update mechanism.

13. The method of claim 4 wherein the instrumenting is accomplished at a byte-code level of content examination.

14. The method of claim 1 wherein the provisioning provides code to support billing policies.

15. The method of claim 14, the billing policies further comprising at least one of subscription based billing, trial use, download based billing, transmission based billing, and prepaid billing.

1990-1991 1991-1992 1992-1993 1993-1994 1994-1995 1995-1996 1996-1997 1997-1998 1998-1999 1999-2000 2000-2001 2001-2002 2002-2003 2003-2004 2004-2005 2005-2006 2006-2007 2007-2008 2008-2009 2009-2010 2010-2011 2011-2012 2012-2013 2013-2014 2014-2015 2015-2016 2016-2017 2017-2018 2018-2019 2019-2020 2020-2021 2021-2022 2022-2023 2023-2024 2024-2025 2025-2026 2026-2027 2027-2028 2028-2029 2029-2030 2030-2031 2031-2032 2032-2033 2033-2034 2034-2035 2035-2036 2036-2037 2037-2038 2038-2039 2039-2040 2040-2041 2041-2042 2042-2043 2043-2044 2044-2045 2045-2046 2046-2047 2047-2048 2048-2049 2049-2050 2050-2051 2051-2052 2052-2053 2053-2054 2054-2055 2055-2056 2056-2057 2057-2058 2058-2059 2059-2060 2060-2061 2061-2062 2062-2063 2063-2064 2064-2065 2065-2066 2066-2067 2067-2068 2068-2069 2069-2070 2070-2071 2071-2072 2072-2073 2073-2074 2074-2075 2075-2076 2076-2077 2077-2078 2078-2079 2079-2080 2080-2081 2081-2082 2082-2083 2083-2084 2084-2085 2085-2086 2086-2087 2087-2088 2088-2089 2089-2090 2090-2091 2091-2092 2092-2093 2093-2094 2094-2095 2095-2096 2096-2097 2097-2098 2098-2099 2099-2100 2100-2101 2101-2102 2102-2103 2103-2104 2104-2105 2105-2106 2106-2107 2107-2108 2108-2109 2109-2110 2110-2111 2111-2112 2112-2113 2113-2114 2114-2115 2115-2116 2116-2117 2117-2118 2118-2119 2119-2120 2120-2121 2121-2122 2122-2123 2123-2124 2124-2125 2125-2126 2126-2127 2127-2128 2128-2129 2129-2130 2130-2131 2131-2132 2132-2133 2133-2134 2134-2135 2135-2136 2136-2137 2137-2138 2138-2139 2139-2140 2140-2141 2141-2142 2142-2143 2143-2144 2144-2145 2145-2146 2146-2147 2147-2148 2148-2149 2149-2150 2150-2151 2151-2152 2152-2153 2153-2154 2154-2155 2155-2156 2156-2157 2157-2158 2158-2159 2159-2160 2160-2161 2161-2162 2162-2163 2163-2164 2164-2165 2165-2166 2166-2167 2167-2168 2168-2169 2169-2170 2170-2171 2171-2172 2172-2173 2173-2174 2174-2175 2175-2176 2176-2177 2177-2178 2178-2179 2179-2180 2180-2181 2181-2182 2182-2183 2183-2184 2184-2185 2185-2186 2186-2187 2187-2188 2188-2189 2189-2190 2190-2191 2191-2192 2192-2193 2193-2194 2194-2195 2195-2196 2196-2197 2197-2198 2198-2199 2199-2200 2200-2201 2201-2202 2202-2203 2203-2204 2204-2205 2205-2206 2206-2207 2207-2208 2208-2209 2209-2210 2210-2211 2211-2212 2212-2213 2213-2214 2214-2215 2215-2216 2216-2217 2217-2218 2218-2219 2219-2220 2220-2221 2221-2222 2222-2223 2223-2224 2224-2225 2225-2226 2226-2227 2227-2228 2228-2229 2229-2230 2230-2231 2231-2232 2232-2233 2233-2234 2234-2235 2235-2236 2236-2237 2237-2238 2238-2239 2239-2240 2240-2241 2241-2242 2242-2243 2243-2244 2244-2245 2245-2246 2246-2247 2247-2248 2248-2249 2249-2250 2250-2251 2251-2252 2252-2253 2253-2254 2254-2255 2255-2256 2256-2257 2257-2258 2258-2259 2259-2260 2260-2261 2261-2262 2262-2263 2263-2264 2264-2265 2265-2266 2266-2267 2267-2268 2268-2269 2269-2270 2270-2271 2271-2272 2272-2273 2273-2274 2274-2275 2275-2276 2276-2277 2277-2278 2278-2279 2279-2280 2280-2281 2281-2282 2282-2283 2283-2284 2284-2285 2285-2286 2286-2287 2287-2288 2288-2289 2289-2290 2290-2291 2291-2292 2292-2293 2293-2294 2294-2295 2295-2296 2296-2297 2297-2298 2298-2299 2299-2300 2300-2301 2301-2302 2302-2303 2303-2304 2304-2305 2305-2306 2306-2307 2307-2308 2308-2309 2309-2310 2310-2311 2311-2312 2312-2313 2313-2314 2314-2315 2315-2316 2316-2317 2317-2318 2318-2319 2319-2320 2320-2321 2321-2322 2322-2323 2323-2324 2324-2325 2325-2326 2326-2327 2327-2328 2328-2329 2329-2330 2330-2331 2331-2332 2332-2333 2333-2334 2334-2335 2335-2336 2336-2337 2337-2338 2338-2339 2339-2340 2340-2341 2341-2342 2342-2343 2343-2344 2344-2345 2345-2346 2346-2347 2347-2348 2348-2349 2349-2350 2350-2351 2351-2352 2352-2353 2353-2354 2354-2355 2355-2356 2356-2357 2357-2358 2358-2359 2359-2360 2360-2361 2361-2362 2362-2363 2363-2364 2364-2365 2365-2366 2366-2367 2367-2368 2368-2369 2369-2370 2370-2371 2371-2372 2372-2373 2373-2374 2374-2375 2375-2376 2376-2377 2377-2378 2378-2379 2379-2380 2380-2381 2381-2382 2382-2383 2383-2384 2384-2385 2385-2386 2386-2387 2387-2388 2388-2389 2389-2390 2390-2391 2391-2392 2392-2393 2393-2394 2394-2395 2395-2396 2396-2397 2397-2398 2398-2399 2

24. The method of claim 1, the computer-based environment including a network, wherein the provisioning supports the designation of the content to be prepared through browsing to a location on the network.

25. The method of claim 1 wherein the network is the Internet.

26. The method of claim 1 wherein the preparation process takes into account preferences of a requester of the content.

27. The method of claim 1 wherein attributes that control the provisioning are specified through website administration.

28. The method of claim 1 wherein attributes that control the verification are specified through website administration.

29. The method of claim 1 wherein the content contains at least one of text, graphics, audio, and video.

30. A network-based transmission medium containing content that has been provisioned and verified specifically for a target wireless device.

31. The transmission medium of claim 30 wherein the content is transmitted to the target wireless device.

32. The transmission medium of claim 30 wherein the provisioned content has been at least one of inspected, optimized, and instrumented.

33. The transmission medium of claim 32 wherein inspected content has been inspected to determine that it does not contain specified code, API, or other criteria.

34. The transmission medium of claim 32 wherein the inspected content has been inspecting using dynamically specifiable application filters.

35. The transmission medium of claim 34 wherein the application filters specify a list of criteria to be filtered and a target.

36. The transmission medium of claim 32 wherein the instrumented content contains code to implement at least one of a billing policy, usage policy, notification, and automated content update mechanism.

37. The transmission medium of claim 32 wherein the instrumented content has been instrumented at the byte-code level.

38. The transmission medium of claim 30 wherein the provisioned content contains code to automatically implement a billing policy for the content.

39. The transmission medium of claim 30 wherein the content has been verified by determining at least one of a user of the target device is authorized to receive the content, the target device supports the API used by the content, and the content has not been banned.

40. The transmission medium of claim 30 wherein the content has been verified by comparing aspects of the content to stored profiles.

41. The transmission medium of claim 30 wherein the network is connected to a wireless carrier infrastructure.

42. The transmission medium of claim 30 wherein the content is Java-based.

43. The transmission medium of claim 30 wherein the network is the Internet.

44. The transmission medium of claim 30 wherein the content contains at least one of text, graphics, audio, and video.

45. A computer-readable memory medium containing instructions for controlling a computer processor to prepare content for deployment on a target device, by:
provisioning the content for the target device; and
verifying that the target device supports execution of the provisioned content without executing the provisioned content on the device.

46. The computer-readable memory medium of claim 45 wherein the target device is a wireless device.

47. The computer-readable memory medium of claim 45, wherein the instructions further comprise causing the prepared content to be downloaded to the target device over a wireless transmission medium.

48. The computer-readable memory medium of claim 45, the provisioning further comprising at least one of:
inspecting the content;
optimizing the content; and
instrumenting the content.

49. The computer-readable memory medium of claim 48, the inspecting further comprising at least one of:
determining whether the content contains malicious code;
determining whether the content contains banned code; and
determining whether the content contains designated API.

50. The computer-readable memory medium of claim 48 wherein the inspecting is performed using an application filter.

51. The computer-readable memory medium of claim 48, the instrumenting further comprising inserting code that implements at least one of a billing policy, a usage policy, a notification, and an automatic content update mechanism.

52. The computer-readable memory medium of claim 48 wherein the instrumenting is accomplished at a byte-code level of content examination.

53. The computer-readable memory medium of claim 45 wherein the provisioning provides code to support billing policies.

54. The computer-readable memory medium of claim 53, the billing policies further comprising at least one of subscription based billing, trial use, download based billing, transmission based billing, and prepaid billing.

55. The computer-readable memory medium of claim 45 wherein the content is provisioned for a requestor, and wherein the verification further comprises at least one of:
 comparing the API used by the content to the API supported by the target device;
 determining whether the requestor is authorized to use the content; and
 determining whether the content is banned.

56. The computer-readable memory medium of claim 55 wherein determining authorization of the requestor determines whether the requester has sufficient funds in a prepaid billing account to use the content.

57. The computer-readable memory medium of claim 45 wherein the verification is accomplished using profile management.

58. The computer-readable memory medium of claim 45 wherein the content is Java-based.

59. The computer-readable memory medium of claim 45 wherein the provisioning supports the designation of the content to be prepared through browsing to a location on a network.

60. The computer-readable memory medium of claim 45 wherein the content contains at least one of text, graphics, audio, and video.

61. A computer-based content deployment system for provisioning content for a target device, comprising:

verification manager that verifies that the content is authorized and the target device supports resources needed by the content; and

provisioning manager that provisions the content according to the target device by at least one of inspecting the content, optimizing the content, and instrumenting the content.

62. The deployment system of claim 61 wherein the provisioning manager further comprises at least one of:

subscriber verifier;

device verifier; and

application verifier.

63. The deployment system of claim 62 wherein the subscriber verifier determines whether a subscriber of a wireless carrier service is authorized to use the content.

64. The deployment system of claim 62 wherein the device verifier determines whether the target device supports an API required by the content.

65. The deployment system of claim 62 wherein the application verifier determines whether the content is banned.

66. The deployment system of claim 61 wherein the target device is a wireless device.

67. The deployment system of claim 61 wherein the deployment system is integrated with a wireless carrier computer system.

68. The deployment system of claim 61 wherein instrumenting the content provides support for at least one of a billing policy, a usage policy, a notification, and an automatic content update mechanism.

69. The deployment system of claim 61, further comprising:
billing manager that provides support for provisioning the content according to a billing policy.

70. The deployment system of claim 69 wherein the billing policy is one of subscription base billing, trial use, download based billing, transmission based billing, and prepaid billing.

71. The deployment system of claim 61 wherein the designation of the content to be provisioned is determining by browsing to a location on a network.

72. The deployment system of claim 61 wherein the content is Java-based.

73. The deployment system of claim 61 wherein the content contains at least one of text, graphics, audio, and video.